CLAIMS

1. A printing device comprising a first printer and a second printer which continuously print printing data onto a printing medium, the second printer comprising a reading sensor, the first printer first printing the printing data onto the printing medium by forming a mark indicating a page of the printing medium, the reading sensor subsequently reading the mark and matching printing surfaces of the printing medium to be printed by the first and second printers, the second printer thereafter printing the printing data onto the printing medium, the printing device comprising:

an information holding part which previously holds information on a relationship between a size of the printing medium and a position of the mark; and

a mark position setting part which movably sets the mark position based on the information held in the information holding part in accordance with the size of the printing medium.

2. The printing device according to claim 1, wherein, when, as a result of matching the printing surfaces of the printing medium to be printed by the first and second printers, it is determined that the printing data on the printing surface to be printed by the first printer does not match the printing data on the printing surface to be printed by the second printer, printing operations of the first and second printers stop and an occurrence of an abnormal state is notified.

3. A printing device comprising a first printer and a second printer which continuously print plural pieces of printing data onto a printing medium, the second printer comprising a reading sensor, the first printer first printing the plural pieces of printing data onto the printing medium by forming a mark indicating each of the plural pieces of the printing data, the reading sensor subsequently reading the mark and matching

printing surfaces of the printing medium to be printed by the first and second printers, the second printer thereafter printing the plural pieces of printing data onto the printing medium, the printing device comprising:

an information holding part which previously holds information on a relationship between sizes of the plural pieces of printing data and the mark position; and

a mark position setting part which movably sets the mark position based on the information held in the information holding part in accordance with the sizes of the plural pieces of printing data.

4. The printing device according to claim 3, wherein, when, as a result of matching the printing surfaces of the printing medium to be printed by the first and second printers, it is determined that the printing data on the printing surface to be printed by the first printer does not match the printing data on the printing surface to be printed by the second printer, printing operations of the first and second printers stop and an occurrence of an abnormal state is notified.

5. A printing device comprising a printer having a first printing part, a second printing part, and a reading sensor, the printer continuously printing printing data onto a printing medium, the first printing part in the printer first printing the printing data onto the printing medium by forming a mark indicating a page of the printing medium, the reading sensor subsequently reading the mark and matching printing surfaces of the printing medium to be printed by the first and second printing parts, the second printing part in the printer thereafter printing the printing data onto the printing medium, the printing device comprising:

an information holding part which previously holds information on a relationship between a size of the printing medium and a position of the mark; and

a mark position setting part which movably sets the mark position based on the information held in the information holding part in accordance with the size of the printing medium.

6. The printing device according to claim 5, wherein, when, as a result of matching the printing surfaces of the printing medium to be printed by the first and second printing parts, it is determined that the printing data on the printing surface to be printed by the first printing part does not match the printing data on the printing surface to be printed by the second printing part, printing operations of the printer stop and an occurrence of an abnormal state is notified.

7. A printing device comprising a printer having a first printing part, a second printing part, and a reading sensor, the printer continuously printing plural pieces of printing data onto a printing medium, the first printing part in the printer first printing the plural pieces of printing data onto the printing medium by forming a mark indicating each of the plural pieces of printing data, the reading sensor subsequently reading the mark and matching printing surfaces of the printing medium to be printed by the first and second printing parts, the second printing part in the printer thereafter printing the plural pieces of printing data onto the printing medium, the printing device comprising:

an information holding part which previously holds information on a relationship between the size of the plural pieces of printing data and a position of the mark; and

a mark position setting part which movably sets the mark position based on the information held in the information holding part in accordance with the sizes of the plural pieces of printing data.

8. The printing device according to claim 7, wherein, when, as a result of matching the printing surfaces of the printing medium to be printed by the

first and second printing parts, it is determined that
the printing data on the printing surface to be printed
by the first printing part does not match the printing
data on the printing surface to be printed by the second
5   printing part, printing operations of the printer stop
and an occurrence of an abnormal state is notified.

9.   A printing method that continuously prints
printing data onto a printing medium, comprising the
steps of:
10   previously holding information on a
relationship between a size of the printing medium and a
position of the mark;

movably setting the position of the mark
based on the previously-held information in accordance
15   with the size of the printing medium;

forming the set mark upon printing the
printing data onto a printing surface of the printing
medium to be printed first;

reading the mark by a reading sensor and
20   matching printing surfaces of the printing medium to be
printed first and second; and

printing the printing data onto the
printing surface of the printing medium to be printed
second when it is determined that the printing data onto
25   the printing surface of the printing medium to be printed
first matches the printing data onto the printing surface
of the printing medium to be printed second.

10.   A printing method that continuously prints
plural pieces of printing data, comprising the steps of:
30   previously holding information on a
relationship between the sizes of the plural pieces of
printing data and a position of a mark indicating the
plural pieces of printing data;

movably setting the mark position based on
35   the previously-held information in accordance with the
sizes of the plural pieces of printing data;

forming the set mark upon printing the

plural pieces of printing data onto a printing surface of the printing medium to be printed first;

reading the mark by a reading sensor and matching printing surfaces of the printing medium to be printed first and second; and

printing the plural pieces of printing data onto the printing surface of the printing medium to be printed second when it is determined that the plural pieces of printing data onto the printing surface of the printing medium to be printed first match the plural pieces of printing data onto the printing surface of the printing medium to be printed second.

11. A computer-readable storage medium that stores a program which continuously prints printing data onto a printing medium, wherein the program enables a computer to function as:

means for previously holding information on a relationship between a size of the printing medium and a position of a mark indicating a page of the printing medium;

means for movably setting the mark position based on the previously-held information in accordance with the size of the printing medium;

means for forming the set mark upon printing the printing data onto a printing surface of the printing medium to be printed first;

means for reading the mark by a reading sensor and matching printing surfaces of the printing medium to be printed first and second; and

means for printing the printing data onto the printing surface of the printing medium to be printed second when it is determined that the printing data onto the printing surface of the printing medium to be printed first matches the printing data onto the printing surface of the printing medium to be printed second.

12. A computer-readable storage medium that stores a program which continuously prints plural pieces of

printing data onto a printing medium, wherein the program enables a computer to function as:

means for previously holding information on a relationship between sizes of the plural pieces of printing data and a position of a mark indicating each of the plural pieces of printing data;

means for movably setting the mark position based on the previously-held information in accordance with the sizes of the plural pieces of printing data;

means for forming the set mark upon printing the plural pieces of printing data onto a printing surface of the printing medium to be printed first;

means for reading the mark by a reading sensor and matching printing surfaces of the printing medium to be printed first and second; and

means for printing the plural pieces of printing data onto the printing surface of the printing medium to be printed second when it is determined that the printing data onto the printing surface of the printing medium to be printed first matches the printing data onto the printing surface of the printing medium to be printed second.